



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141493

Mode: Highway

Status: Submitted

US-74

From/Cross Street: NC 87

Specific Improvement Type: 7 - Upgrade At-grade Intersection to Interchange or Grade Separation

To:

Project Category: Statewide Mobility

Length: 2

TIP#: R-4462

Fully Funded in Draft STIP? No

Cost to NCDOT: \$7,130,000

Description:

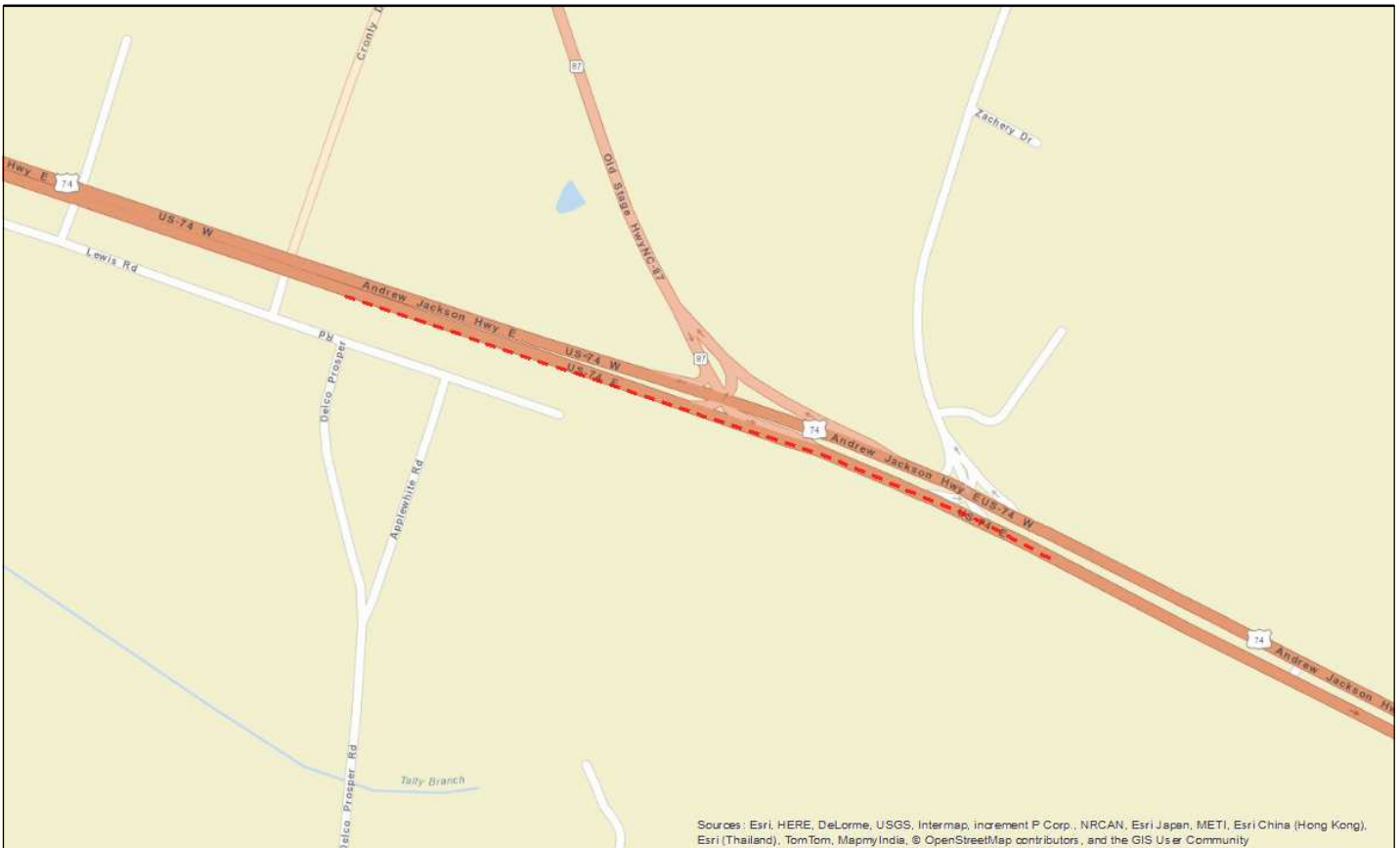
Covert Existing at grade intersection to interchange.

Division(s): Division 6

County(s): COLUMBUS

MPOS(s)/RPO(s): Cape Fear RPO

Project Location



Statewide Mobility Total Score: 23.86

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 25.08 Safety (10%) 83.35 [Travel Time] Benefit/Cost (30%) 7.82 Economic Competitiveness (10%) 4.61 Multimodal + [Freight & Military] (20%) 25.99	N/A	N/A
Totals: Weight: 100% Weighted Score: 23.86		

Regional Impact Total Score: 56.56

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Accessibility / Connectivity (10%) 39.51 [Travel Time] Benefit/Cost (25%) 7.82 Safety (10%) 83.35 Congestion (V/C) (25%) 25.08	Percent: 15% Points: 100	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 26.56		

Division Needs Total Score: 19.16

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 25.08 [Travel Time] Benefit/Cost (20%) 7.82 Safety (10%) 83.35	Percent: 25% Points: 0	Percent: 25% Points: 17
Totals: Weight: 50% Weighted Score: 14.91		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles);	2
Facility Type:	Multi-Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	2
Roadway has Curb & Gutter?	No
Volume (AADT):	31514.75
Capacity:	151600
Volume/Capacity Ratio:	0.21
% Autos:	87%
% Trucks:	13%
Truck Volume:	4157.87
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	100
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	24
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	56
Actual Congested Speed:	56.24
Travel Time Index:	0.98

Project Benefits

Project Cross-Section:	
Speed Limit:	55
Length (miles):	2
Facility Type:	Multi-Lane Highway
Access Control:	Limited
Functional Classification:	Other Principal Arterial
TerrainType:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	2402000
Travel Time Savings for 30 Years (Autos):	2085094.17
Travel Time Savings for 30 Years (Trucks):	316905.83
Long-Term Employment:	39.52
% Change in Economy:	5.27E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 6

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 6	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Cape Fear RPO	100%	100	17
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	17

Project Cost and Source

Construction Cost:	\$5,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$1,380,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$7,130,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$7,130,000	